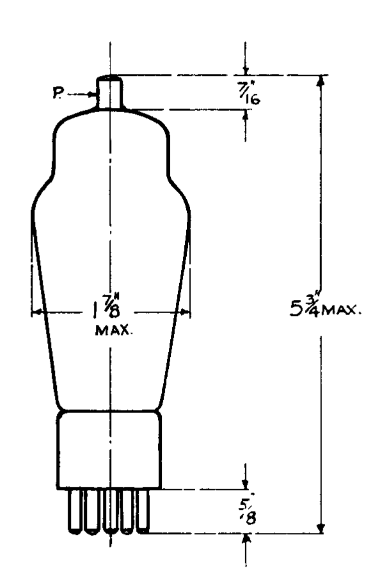
—Standard Valves—

4061-A VALVE

PENTODE.

SPECIFICATION.



Cathode.

Indirectly heated oxide coated.
Constant voltage type.

Base.

American medium 7-pin.

Dimensions.

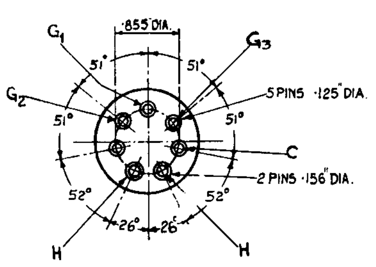
Overall length	5¾" (14·6 cms.)
Maximum diameter	1⅞" (4·6 cms.)
Net weight	0·17 lbs. (77 gms.)



Constants.

Heater voltage	6·3 volts
Nominal heater current	0·8 amps.
*Impedance	200,000 ohms
*Amplification factor	500
Grid–anode capacity	0·02 μμF.
Input capacity	10 μμF.
Output capacity	10 μμF.

* *at* $V_p = 400$ $V_{g1} = -16{\cdot}5$
$V_{g2} = 200$ $V_{g3} = 0$



LIMITING CONDITIONS FOR SAFE OPERATION.

Maximum direct anode voltage	500 volts
Maximum direct screen voltage	250 volts
Maximum direct suppressor voltage	45 volts
Maximum anode dissipation	10 watts
Maximum screen dissipation	8 watts
Maximum direct control grid current	10 mA.
Maximum RF control grid current	4 amps.

Tentative data

—Standard Valves—

TYPICAL OPERATING CONDITIONS.

Class B Telephony — R.F. Amp.	
Direct anode voltage	500 volts
Direct screen voltage	200 volts
Direct control grid voltage	—38 volts
Direct suppressor voltage	0 volts
Peak RF input	80 volts
Anode current	30 mA.
Screen current	12 mA.
Screen resistor	25,000 ohms
Driving power	0·24 watts
Peak output	20 watts
Carrier output	5 watts

RADIO FREQUENCY OPERATION.

Class C Telephony — Control grid Modulated		
Direct anode voltage	500	500 volts
Direct screen voltage	200	200 volts
Direct control grid voltage	—125	—125 volts
Direct suppressor voltage	0	45 volts
Anode current	32	34 mA.
Screen current	20	20 mA.
Screen resistor	20,000	20,000 ohms
Control grid current	1·5	1·5 mA.
Peak RF input voltage (Vg_1)	150	150 volts
Peak AF input volts (Vg_1)	45	45 volts
AF power	0·5	0·55 watts
Peak RF input power	1·2	1·3 watts
Peak output	22	26 watts
Carrier output	5·5	6·5 watts

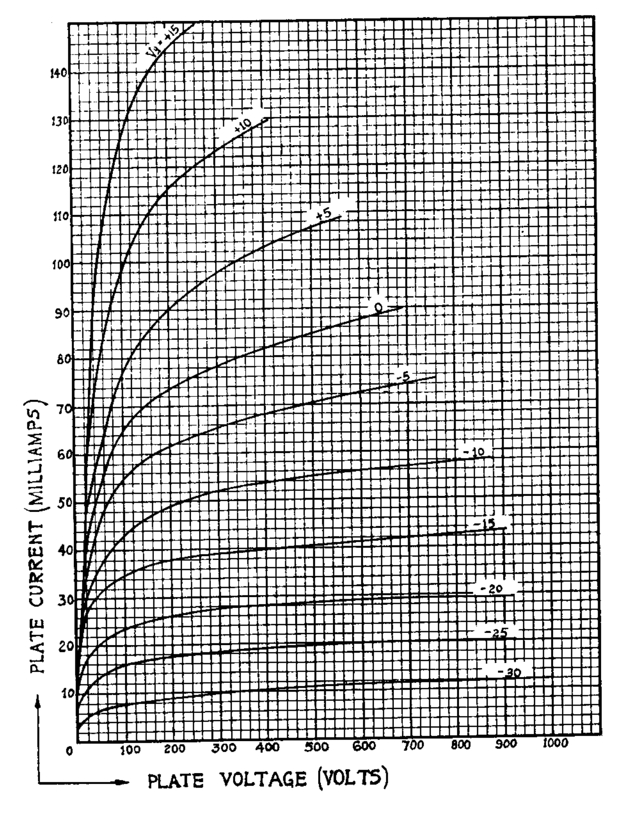
Class C Telegraphy — Unmodulated. RF Amp. and Osc.		
Direct anode voltage	500	500 volts
Direct screen voltage	200	200 volts
Direct control grid voltage	—90	—90 volts
Direct suppressor voltage	0	45 volts
Anode current	50	55 mA.
Screen current	40	35 mA.
Screen resistor	7,500	8,500 ohms
Control grid current	6	6 mA.
Peak RF input volts	135	135 volts
RF input power	0·8	0·8 watts
Output	18	24 watts

PRINTED IN
ENGLAND

—Standard Valves—

Class C Telephony, Suppressor and Screen modulated	Suppressor	Screen
Direct anode voltage	500	500 volts
Direct screen voltage	200	200 volts
Direct control grid voltage	—90	—90 volts
Direct suppressor voltage	—45	—40 volts
Peak AF suppressor voltage	75	75 volts
Peak AF screen voltage	0	100 volts
Peak RF input	135	135 volts
Anode current	32	35 mA.
Screen current	40	40 mA.
Screen resistor	7,500	7,500 ohms
Control grid current	6	6 mA.
RF input power	0·82	0·82 watts
AF power	0·30	0·75 watts
Peak output	22	26 watts
Carrier output	5·5	6·5 watts

These curves are taken with V_H = 6·3 volts, Vg_2 = 200 volts, Vg_3 = 0 volts.



Tentative data

PRINTED IN
ENGLAND